IN THE CLAIMS

Claims 1 and 81 are amended herein. All pending claims are reproduced below.

- 1. (Currently Amended) A system for printing time-based media data, the system comprising:
 - a user interface for receiving user input, the user input specifying a multimedia function to perform on the time-based media and specifying a distribution of processing power for carrying out the specified multimedia function, wherein carrying out the specified multimedia function includes selecting a range of the time-based media;
 - a printer, communicatively coupled to the user interface, the printer adapted to perform a first amount of processing satisfying the distribution of processing power indicated by the received user input, and to output an instruction to perform a second amount of processing satisfying the distribution of processing power indicated by the received user input; and
 - a processing device adapted to receive the instruction from the printer and perform the second amount of processing in response to the instruction from the printer.
- 2. (Original) The system of claim 1 wherein the processing device includes the user interface.
- 3. (Original) The system of claim 1 wherein the printer includes the user interface.
- 4. (Original) The system of claim 1 wherein the user interface is on a device separate from the processing device and the printer.

- 5. (Original) The system of claim 2, 3 or 4 wherein the user interface displays status information about the performance of the multimedia function.
- 6. (Original) The system of claim 1 wherein the processing device is a personal computer.
- 7. (Original) The system of claim 1 wherein the multimedia function includes selecting a range of audio data in response to received input from the user.
- 8. (Original) The system of claim 1 wherein the multimedia function includes applying audio event detection to the time-based media data.
- 9. (Original) The system of claim 8 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.
- 10. (Original) The system of claim 1 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.
- 11. (Original) The system of claim 1 or 10 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
- 12. (Original) The system of claim 1 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
- 13. (Original) The system of claim 12 wherein the multimedia function further includes applying audio event detection to the time-based media data.
- 14. (Original) The system of claim 1 wherein the multimedia function includes applying a speech recognition function to the time-based media data.

- 15. (Original) The system of claim 14 wherein the multimedia function includes applying a profile analysis function to the time-based media data.
- 16. (Original) The system of claim 14 wherein the multimedia function includes applying an audio event detection function to the time-based media data.
- 17. (Original) The system of claim 16 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
- 18. (Original) The system of claim 16 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
- 19. (Original) The system of claim 16 wherein the multimedia function further includes applying a sound localization function to the time-based media data.
- 20. (Original) The system of claim 1 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
- 21. (Original) The system of claim 1 wherein the multimedia function includes applying a video event detection function to the time-based media data.
- 22. (Original) The system of claim 1 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
- 23. (Original) The system of claim 1 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 24. (Original) The system of claim 23 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances

of a face into a representative face image.

- 25. (Original) The system of claim 1 wherein the multimedia function includes applying a face recognition function to the time-based media data.
- 26. (Original) The system of claim 1 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
- 27. (Original) The system of claim 26 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
- 28. (Original) The system of claim 1 wherein the multimedia function includes applying a motion analysis function to the time-based media data.
- 29. (Original) The system of claim 1 or claim 28 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
- 30. (Original) The system of claim 1 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
- 31. (Original) The system of claim 1 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
- 32. (Previously presented) The system of claim 31 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
 - 33. (Original) The system of claim 31 wherein the multimedia function further

includes applying a face detection function to the time-based media data.

- 34. (Original) The system of claim 31 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.
- 35. (Original) The system of claim 34 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 36. (Original) The system of claim 34 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 37. (Original) The system of claim 1 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.
- 38. (Original) The system of claim 37 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
- 39. (Original) The system of claim 1 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
- 40. (Original) The system of claim 1 wherein the multimedia function includes applying a visual inspection function to the time-based media data.
- 41. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a compact disc (CD) device.
- 42. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a digital video disc (DVD) device.

- 43. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control an audio tape device.
- 44. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a video tape device.
- 45. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a multimedia server.
- 46. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control encryption hardware.
- 47. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control audio sound localization hardware.
- 48. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control motion detection hardware.
- 49. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a MIDI player.
- 50. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a cellular telephone.
- 51. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a two-way radio.
- 52. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a world wide web display.

- 53. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a climate sensor.
- 54. (Original) The system of claim 1 wherein the user interface is configured to allow a user to control a radio receiver.
- 55. (Original) The system of claim 1 wherein the processor is further configured to display results of the multimedia function on the display of the user interface.
- 56. (Previously presented) The system of claim 1 wherein the processing device is a DVD drive.
- 57. (Previously presented) The system of claim 1 wherein the processing device is a CD drive.
- 58. (Previously presented) The system of claim 1 wherein the processing device is an audio tape drive.
- 59. (Previously presented) The system of claim 1 wherein the processing device is a video cassette device.
- 60. (Previously presented) The system of claim 1 wherein the processing device is a removable media device.
- 61. (Previously presented) The system of claim 1 wherein the processing device is an embedded audio recorder.
- 62. (Previously presented) The system of claim 1 wherein the processing device is an embedded video recorder.

- 63. (Previously presented) The system of claim 1 wherein the processing device is an non-volatile storage device.
- 64. (Previously presented) The system of claim 1 wherein the processing device is an embedded multimedia server.
- 65. (Previously presented) The system of claim 1 wherein the processing device is audio encryption hardware.
- 66. (Previously presented) The system of claim 1 wherein the processing device is video encryption hardware.
- 67. (Previously presented) The system of claim 1 wherein the processing device is audio sound localization hardware.
- 68. (Previously presented) The system of claim 1 wherein the processing device is a cellular telephone.
- 69. (Previously presented) The system of claim 1 wherein the processing device is a two-way radio.
- 70. (Previously presented) The system of claim 1 wherein the processing device is a world-wide web display.
- 71. (Previously presented) The system of claim 1 wherein the processing device is a radio receiver for receiving AM signals.
- 72. (Previously presented) The system of claim 1 wherein the processing device is a radio receiver for receiving FM signals.

- 73. (Previously presented) The system of claim 1 wherein the processing device is a radio receiver for receiving short wave signals.
- 74. (Previously presented) The system of claim 1 wherein the processing device is a satellite radio receiver.
- 75. (Previously presented) The system of claim 1 wherein the processing device is a weather alert receiver.
- 76. (Previously presented) The system of claim 1 wherein the processing device is an emergency alert monitor for receiving emergency broadcast system alerts.
- 77. (Previously presented) The system of claim 1 wherein the processing device is hardware for performing VGA screen captures.
- 78. (Previously presented) The system of claim 1 wherein the processing device is hardware for performing audio capture.
- 79. (Previously presented) The system of claim 1 wherein the processing device is hardware for capturing data from an electronic pen.
- 80. (Previously presented) The system of claim 1 wherein the processing device is a disposable media writer.
- 81. (Currently Amended) A method for printing time-based media, the method comprising:

receiving time-based media data from a media source;

receiving user input, the user input specifying a multimedia function to perform on the time-based media and <u>specifying</u> a distribution of processing power

- between a printer and a processing device to carry out the specified multimedia function, wherein carrying out the specified multimedia function includes selecting a range of the time-based media;
- determining a first portion of the processing to be allocated to the printer and a second portion of the processing to be allocated to the processing device satisfying the distribution of processing power specified by the user input;
- allocating the determined processing portions to the printer and the processing device based on the distribution of processing power specified by the user input;
- performing, by the printer, the allocated first portion of processing to carry out the specified multimedia function;
- performing, by the processing device, the allocated second portion of processing to carry out the specified multimedia function;
- producing a printed output on the printer associated with comprising a first
 representation the processed time-based media data; and
 producing an electronic output associated with comprising a second
 representation of the processed time-based media data.
- 82. (Original) The method of claim 81 wherein the user input is received at the printer.
- 83. (Original) The method of claim 81 wherein the user input is received at the processing device.
- 84. (Original) The method of claim 81 wherein the processing device is a personal computer.
 - 85. (Original) The method of claim 81 wherein the multimedia function includes

selecting a range of audio data in response to received input from the user.

- 86. (Original) The method of claim 81 wherein the multimedia function includes applying audio event detection to the time-based media data.
- 87. (Original) The method of claim 86 wherein the multimedia function further includes determining a confidence level associated with the audio event detection.
- 88. (Original) The method of claim 81 wherein the multimedia function includes applying a speaker segmentation function to the time-based media data.
- 89. (Original) The method of claim 81 or 88 wherein the multimedia function includes applying a speaker recognition function to the time-based media data.
- 90. (Original) The method of claim 81 wherein the multimedia function includes applying a sound source localization function to the time-based media data.
- 91. (Original) The method of claim 90 wherein the multimedia function further includes applying audio event detection to the time-based media data.
- 92. (Original) The method of claim 81 wherein the multimedia function includes applying a speech recognition function to the time-based media data.
- 93. (Original) The method of claim 92 wherein the multimedia function includes applying a profile analysis function to the time-based media data.
- 94. (Original) The method of claim 92 wherein the multimedia function includes applying an audio event detection function to the time-based media data.

- 95. (Original) The method of claim 94 wherein the multimedia function further includes applying a speaker recognition function to the time-based media data.
- 96. (Original) The method of claim 94 wherein the multimedia function further includes applying a speaker segmentation function to the time-based media data.
- 97. (Original) The method of claim 94 wherein the multimedia function further includes applying a sound localization function to the time-based media data.
- 98. (Original) The method of claim 81 wherein the multimedia function includes selecting a range of video data in response to received input from the user.
- 99. (Original) The method of claim 81 wherein the multimedia function includes applying a video event detection function to the time-based media data.
- 100. (Original) The method of claim 81 wherein the multimedia function includes applying a color histogram analysis function to the time-based media data.
- 101. (Original) The method of claim 81 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 102. (Original) The method of claim 101 wherein the multimedia function includes applying a clustering function to the time-based media data to merge multiple instances of a face into a representative face image.
- 103. (Original) The method of claim 81 wherein the multimedia function includes applying a face recognition function to the time-based media data.
 - 104. (Original) The method of claim 81 wherein the multimedia function

includes applying an optical character recognition function to the time-based media data.

- 105. (Original) The method of claim 104 wherein the multimedia function further includes applying a clustering function to the time-based media data to merge similar results of the optical character recognition.
- 106. (Original) The method of claim 81 wherein the multimedia function includes applying a motion analysis function to the time-based media data.
- 107. (Original) The method of claim 81 or claim 106 wherein the multimedia function includes applying a distance estimation function to the time-based media data.
- 108. (Original) The method of claim 81 wherein the multimedia function includes applying foreground/background segmentation function to the time-based media data.
- 109. (Original) The method of claim 81 wherein the multimedia function includes applying a scene segmentation function to the time-based media data.
- 110. (Previously Presented) The method of claim 109 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 111. (Original) The method of claim 109 wherein the multimedia function further includes applying a face detection function to the time-based media data.
- 112. (Original) The method of claim 109 wherein the multimedia function includes applying an optical character recognition function to the time-based media data.

- 113. (Original) The method of claim 112 wherein the multimedia function further includes applying a face recognition function to the time-based media data.
- 114. (Original) The method of claim 112 wherein the multimedia function includes applying a face detection function to the time-based media data.
- 115. (Original) The method of claim 81 wherein the multimedia function includes applying an automobile recognition function to the time-based media data.
- 116. (Original) The method of claim 115 wherein the multimedia function further includes applying a motion analysis function to the time-based media data.
- 117. (Original) The method of claim 81 wherein the multimedia function includes applying a license plate recognition function to the time-based media data.
- 118. (Original) The method of claim 81 wherein the multimedia function includes applying a visual inspection function to the time-based media data.